

## **ABSTRACT**

Compositions and methods for treatment of conditions related to the overexpression of EZH2, such as late stage prostate cancer, using a DNA methylation inhibitor and/or a histone deacetylase inhibitor, optionally in combination with an EZH2 antagonist and/or an antineoplastic agent, to specifically target diseases associated with EZH2 over-expression. 5 Further provided are reagents and kits for treatment of EZH2 overexpression.